

**Amendments to the Claims:**

1. (Currently Amended) A diblock copolymer of formula A-B

wherein

polymer block A represents a linear pharmaceutically acceptable hydrophilic polymer with a molecular weight <1,000, and

polymer block B represents a polymer comprising at least two different monomers selected from glycolic acid, propiolactone,  $\gamma$ -butyrolactone,  $\delta$ -valerolactone,  $\gamma$ -valerolactone,  $\epsilon$ -caprolactone, trimethylene carbonate, p-dioxanone, tetramethylene carbonate,  $\epsilon$ -lactone, 1,5-dioxepan-2-one wherein the diblock copolymer is liquid at a temperature below 50°C.

2. (Original) A diblock copolymer according to claim 1 wherein polymer block B represents a polymer comprising monomers selected from glycolic acid, propiolactone,  $\gamma$ -butyrolactone,  $\delta$ -valerolactone,  $\epsilon$ -caprolactone, trimethylene carbonate, p-dioxanone, tetramethylene carbonate,  $\epsilon$ -lactone, 1,5-dioxepan-2-one or mixtures thereof.

3. (Original) A diblock copolymer according to claim 1 wherein polymer block B represents a polymer comprising monomers of trimethylene carbonate and monomers selected from glycolic acid, propiolactone,  $\gamma$ -butyrolactone,  $\delta$ -valerolactone,  $\gamma$ -valerolactone,  $\epsilon$ -caprolactone, p-dioxanone, tetramethylene carbonate,  $\epsilon$ -lactone, 1,5-dioxepan-2-one or mixtures thereof.

4. (Original) A diblock copolymer according to claim 3 wherein polymer block B represents a polymer comprising monomers of trimethylene carbonate and monomers selected from glycolic acid, propiolactone,  $\gamma$ -butyrolactone,  $\delta$ -valerolactone,  $\epsilon$ -caprolactone, p-dioxanone, tetramethylene carbonate,  $\epsilon$ -lactone, 1,5-dioxepan-2-one or mixtures thereof.

5. (Original) A diblock copolymer according to claim 1 wherein polymer block B represents a polymer comprising monomers selected from propiolactone,  $\gamma$ -butyrolactone,  $\delta$ -valerolactone,  $\gamma$ -valerolactone,  $\epsilon$ -caprolactone, trimethylene carbonate, p-dioxanone, tetramethylene carbonate,  $\epsilon$ -lactone, 1,5-dioxepan-2-one.

6. (Original) A diblock copolymer according to claim 5 wherein polymer block B comprises two different monomers selected from propiolactone,  $\gamma$ -butyrolactone,  $\delta$ -valerolactone,  $\gamma$ -valerolactone,  $\epsilon$ -caprolactone, trimethylene carbonate, p-dioxanone, tetramethylene carbonate,  $\epsilon$ -lactone, 1,5-dioxepan-2-one.
7. (Original) A diblock copolymer according to claim 6 wherein polymer block B comprises monomers selected from  $\epsilon$ -caprolactone and trimethylene carbonate.
8. Cancelled.
9. Cancelled.
10. Cancelled.
11. Cancelled.
12. (Previously Presented) A diblock copolymer according to claim 1 having a molecular weight ranging from 2,000 to 10,000.
13. (Original) A diblock copolymer according to claim 12 having a molecular weight ranging from 2,000 to 8,000.
14. (Original) A diblock copolymer according to claim 13 having a molecular weight ranging from 2,500 to 7,000.
15. (Previously Presented) A diblock copolymer according to claim 1 being a liquid at room temperature or at 37°C.
16. Cancelled.

17. Cancelled.

18. Cancelled.

19. Cancelled.

20. Cancelled.

21. Cancelled.

22. Cancelled.

23. Cancelled.

24. Cancelled.

25. Cancelled.

26. Cancelled.